Datasheet for ABIN5707537

anti-Thrombomodulin antibody (AA 69-194)

3 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	Thrombomodulin (THBD)
Binding Specificity:	AA 69-194
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Thrombomodulin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Human recombinant partial protein corresponding to amino acids 69-194 was used as the immunogen for this recombinant Thrombomodulin antibody.
Clone:	RTHBD-1591
Isotype:	IgG1 kappa
Purification:	Purified
Purity:	Protein G affinity chromatography

Target Details

Target:	Thrombomodulin (THBD)
Alternative Name:	Thrombomodulin / CD141 (THBD Products)

Target Details

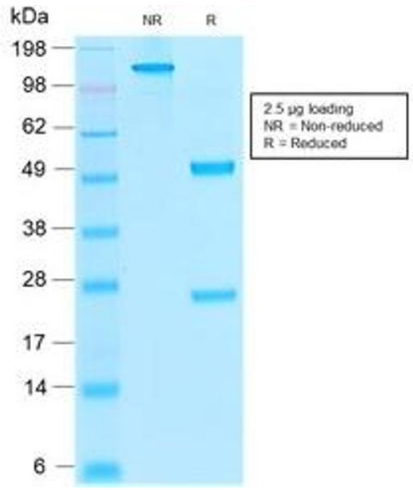
Background:	It recognizes a protein of 75 kDa, identified as Thrombomodulin. Thrombomodulin is a transmembrane glycoprotein with natural anticoagulant properties. It is normally expressed by a restricted number of cells, such as endothelial and mesothelial cells. In addition, synovial lining and syncytio-trophoblasts of placenta also express thrombomodulin. This protein is present in almost all of benign vascular tumors and majority of malignant vascular tumors (Kaposi s sarcoma, angiosarcoma, and epithelioid hemangioendothelioma). Hence, anti-thrombomodulin serves as a sensitive marker for lymphatic endothelial cells and their tumors. Recently, thrombomodulin antibody has been used for mesothelial cells and malignant mesotheliomas.

Application Details

Application Notes:	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the recombinant Thrombomodulin antibody to be titered up or down for optimal performance. 1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Western blot: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 1-2 µg/mL for 30 min at RT,Prediluted IHC only format : incubate for 30 min at RT (1)
Restrictions:	For Research Use only

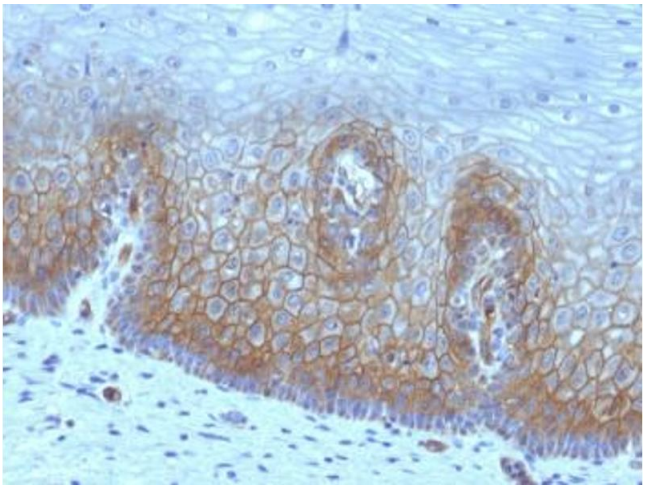
Handling

Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store the recombinant Thrombomodulin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).



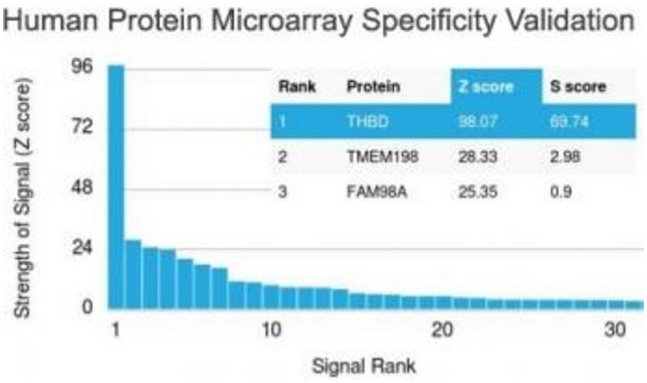
SDS-PAGE

Image 1. SDS-PAGE analysis of purified, BSA-free recombinant Thrombomodulin antibody (clone rTHBD/1591) as confirmation of integrity and purity.



Immunohistochemistry

Image 2. IHC testing of FFPE human cervical carcinoma with recombinant Thrombomodulin antibody (clone rTHBD/1591). HIER: boil tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.



Microarray

Image 3. Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Thrombomodulin antibody (clone rTHBD/1591). These results demonstrate the foremost specificity of the rTHBD/1591 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the

relative target specificity of an Ab to its intended target.